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SUMMARY OF MOUNTAIN PRECIPITATION MEASUREMENTS FOR MONTANA

JAN 28 1976
STATE DOCUMENTS

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

MONTANA AGRICULTURAL EXPERIMENT STATION

1964-74

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

FEDERAL-STATE-PRIVATE COOPERATIVE SNOW SURVEYS

USDA-SCS-PORTLAND, OREG. 1974

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SUMMARY OF PRECIPITATION MEASUREMENTS MONTANA

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

1964-1974

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WEDO-SCS-PORTLAND, OREG. 1975

FOREWORD

This report summarizes all mountain precipitation measurements made in Montana by Soil Conservation Service and cooperators since 1964. Cooperators include: Forest Service, Montana Fish and Game Department, Hill County, Agricultural Experiment Station, Bureau of Indian Affairs, and private individuals.

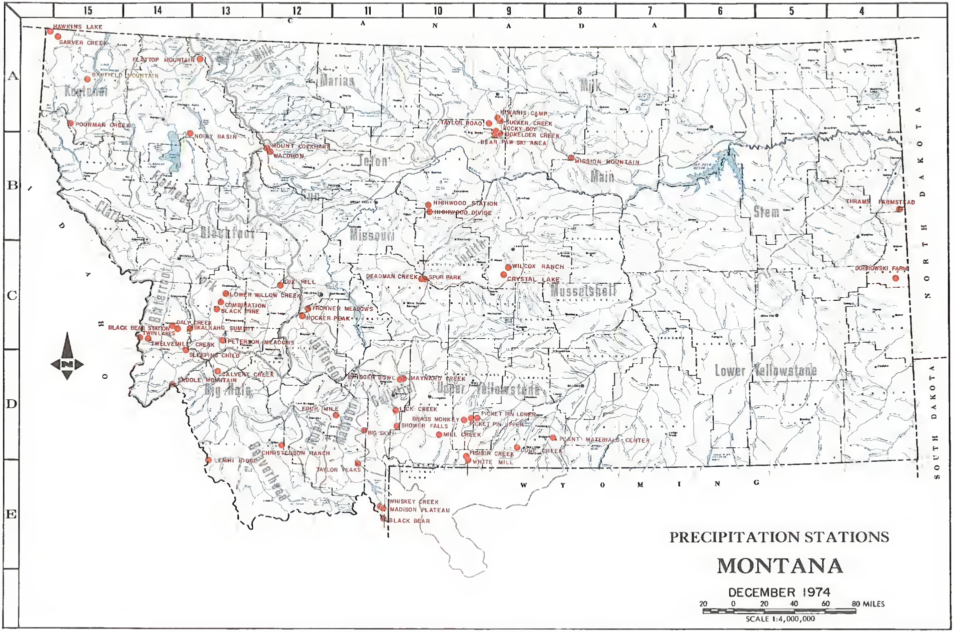
Precipitation storage gages are being installed in various watersheds to improve accuracy of water supply forecasts by obtaining data in main water producing areas. They are also being used to help refine average annual precipitation estimates in mountainous regions. Most gages are being installed at snow courses or snow pillow sites and will be part of SNOTEL (Snow Survey Telemetry) system being installed by Soil Conservation Service.

In general, gages are located in small mountain meadows or protected clearings and have 10-inch diameter orifices. Each fall, the gages are recharged with a methanol-glycol solution that keeps precipitation from freezing during winter months. A thin oil layer on the surface of the solution prevents evaporation of precipitation.

Readings are usually made near the end of each month or in some cases on a seasonal basis. Precipitation amounts are prorated on a monthly basis using snow pillow records and National Weather Service daily precipitation data.

During winter, the catch efficiency of precipitation storage gages is affected by capping and gage configuration. Comparisons of monthly precipitation measured at adjacent snow pillows and precipitation gages indicate the efficiency of precipitation gages can be as

low as 40 to 60 percent during intense powder snow storms in December and January with annual efficiency about 89 percent. The monthly precipitation total reported herein is adjusted to equal the higher of two values--the precipitation caught in the gage or the amount of increase recorded on an adjacent snow pillow for the same period. If no snow pillows are located near the precipitation gage, the amount caught is the amount reported with no adjustments. Most gages not placed at a snow pillow site are at lower elevations where capping during the winter is minimal.



PRECIPITATION STATIONS

MONTANA

DECEMBER 1974

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

M7-OL-22024D

PRECIPITATION STATIONS

Montana

Drainage Basin and Precipitation Station	Number	Elev.	Sec.	Twp.	Range	Record Began
COLUMBIA RIVER BASIN						
Kootenai River						
Banfield Mountain	15A08P	5600	4	32N	30W	1969
Garver Creek	15A05P	4250	18	37N	32W	1969
Hawkins Lake	15A03P	6450	18	37N	33W	1969
Poorman Creek	15A12P	5100	5	27N	31W	1969
Flathead River						
Flattop Mountain	13A19P	6300	12	35N	18W	1974
Noisy Basin	13A25P	6040	25	28N	19W	1974
Clark Fork						
Black Pine	13C13P	7100	26	8N	15W	1966
Combination	13C34P	5600	7	8N	14W	1970
Dix Hill	12C15P	6400	24	11N	8W	1974
Lower Willow Creek	13C35P	4740	3	9N	14W	1970
Peterson Meadows	13C36P	7200	2	4N	14W	1971
Skalkaho Summit	13C03P	7260	30	6N	17W	1967
Bitterroot						
Black Bear Station	13C41P	4630	24	5N	19W	1974
Daly Creek	13C39P	5780	16	5N	18W	1974
Saddle Mountain	13D22P	7940	5	2S	19W	1968
Sleeping Child	13C40P	7037	32	4N	18W	1974
Twelvemile Creek	14C13P	5600	34	5N	23W	1968
Twin Lakes	14C08P	6510	32	5N	23W	1968
MISSOURI RIVER BASIN						
Beaverhead River						
Christensen Ranch	12D06P	6000	34	7S	7W	1971
Lemhi Ridge	13E23P	8100	4	10S	15W	1974
Big Hole River						
Calvert Creek	13D26P	6430	34	2N	14W	1974
Jefferson River						
Rocker Peak	12C11P	8000	17	7N	5W	1968
Madison River						
Black Bear	11E35P	7950	27	15S	5E	1972
Four Mile	11D12P	6900	5	4S	2W	1966
Madison Plateau	11E31P	7750	28	14S	5E	1968
Whiskey Creek	11E30P	6800	19	14S	5E	1972

Drainage Basin and Precipitation Station	Number	Elev.	Sec.	Twp.	Range	Record Began
MISSOURI RIVER BASIN (Continued)						
Gallatin River						
Big Sky	11D17P	7700	30	6S	3E	1973
Bridger Bowl	10D15P	7250	25	1N	6E	1965
Lick Creek	10D13P	6860	10	4S	6E	1965
Maynard Creek	10D18P	6210	19	1N	7E	1971
Shower Falls	10D16P	8100	14	5S	6E	1965
Taylor Peaks	11D13P	8500	26	9S	2E	1967
Missouri Main Stem						
Deadman Creek	10C09P	6450	23	12N	8E	1968
Frohner Meadows	12C13P	6480	23	8N	5W	1973
Highwood Divide	10B02P	5650	16	19N	9E	1974
Highwood Station	10B01P	4600	20	20N	9E	1974
Sun-Teton-Marias						
Mount Lockhart	12B12P	6400	18	25N	9W	1969
Waldron	12B13P	5600	17	25N	9W	1969
Judith River						
Crystal Lake	9C01P	6100	19	12N	18E	1967
Spur Park	10C06P	8100	20	12N	9E	1967
Wilcox Ranch	9C06P	9100	11	9S	14E	1971
Milk River						
Bear Paw Ski Area	9A02P	5200	21	28N	16E	1973
Roxelder Creek	9A08P	5100	24	28N	16E	1973
Kiwanis Camp	9A04P	3720	9	29N	16E	1969
Mission Mountain	8B01P	5050	15	25N	24E	1971
Rocky Boy	9A01P	4700	22	28N	16E	1968
Sucker Creek	9A06P	3960	11	29N	16E	1973
Taylor Road	9A07P	4080	19	29N	16E	1973
Upper Yellowstone						
Brass Monkey	10D29P	9050	6	5S	14E	1973
Cole Creek	9D16P	7850	26	7S	19E	1972
Fisher Creek	9D06P	9100	11	9S	14E	1967
Mill Creek	10D19P	7500	6	7S	11E	1973
Picket Pin Lower	9D13P	6200	1	5S	14E	1973
Picket Pin Upper	10D28P	8100	32	4S	14E	1973
Plant Material Center	8D01P	3656	34	6S	23E	1973
White Mill	9D08P	8700	18	9S	15E	1974
Lower Yellowstone						
Dobrowski Farm	4C01P	3010	6	11N	61E	1974
Thrams Farmstead	4B01P	2185	32	19N	60E	1974

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Bridger Bowl	10D15P	15
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Christensen Ranch	12D06P	17
Combination Pillow	13C33P	18
Crystal Lake	09C01P	19
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Dobroski Farmstead	04C01P	21
Fisher Creek	09D06P	22
Four Mile	11D12P	23
Frohner Meadows	12C13P	24
Garver Creek	15A05P	25
Gravely Ranch	12C14P	26
Hawkins Lake	15A03P	27
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Peterson Meadows	13C36P	38
Picket Pin Lower	09D13P	39
Picket Pin Upper	10D28P	40
Poorman Creek	15A12P	41
Rocker Peak	12C11P	42
Rocky Boy	09A01P	43
Saddle Mountain	13D22P	44
Shower Falls	10D16P	45
Skalkaho Summit	13C03P	46
Spur Park	10C06P	47
Sucker Creek	09A06P	48
Taylor Peaks	11D13P	49
Taylor Road	09A07P	50
Tepee Creek	11E24P	51
Thrams Farm	04B01P	52
Twelvemile Creek	14C13P	53
Twin Lakes	14C08P	54
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PRECIPITATION DATA

BANFIELD MOUNTAIN
MONTANA

SEC 04 T 32N R 30W
LAT 48-34 LONG 115-27

STATION NO. 15A08P
ELEVATION 5600 FEET

BASIN : COLUMBIA
RIVER : KOOTENAI

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1969	5.90	4.60	6.20	7.06	3.48	2.56	2.69	1.97	6.50	.60	.10	3.20	44.86
1970	2.10	1.09	4.38	7.82	3.39	2.84	3.62	2.37	3.35	2.02	.41	2.48	35.87
1971	2.70	5.39	8.91	9.44	3.02	7.72	2.72	3.51	2.67	1.33	1.35	1.01	49.77
1972	2.00	3.46	6.80	9.45	7.59	3.46	3.83	1.45	3.35	.85	1.10	1.48	44.82
1973	2.74	1.37	6.70	4.37	2.65	2.07	1.27	1.63	.94	.15	.28	1.16	25.33
1974	.65	8.64	4.95	9.69	9.17	5.81	2.18	2.45	1.68	1.22	.80	.76	48.00

BEAR PAW SKI AREA
MONTANA

SEC 21 T 28N R 16E
LAT 48-10 LONG 109-40

STATION NO. 09A02P
ELEVATION 5900 FEET

BASIN : MISSOURI
RIVER : MILK

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1973	.88	.80	1.02	.21	.61	.20	2.25	2.45	4.98	.16	1.22	2.04	18.42
1974	1.23	2.04	1.84	.61	1.43	1.17	2.30	7.29	.68	1.63	6.07	.66	26.95

BIG SKY
MONTANA

SEC 30 T 06S R 03E
LAT 45-18 LONG 111-25

STATION NO. 11017P
ELEVATION 7700 FEET

BASIN : MISSOURI
RIVER : GALLATIN

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1974	2.72	2.67	4.67	2.71	1.90	6.11	3.05	3.79	1.80	1.48	2.31	.40	33.61

BLACK BEAR
MONTANA

SEC 27 T 15S R 05E
LAT 44-30 LONG 111-07

STATION NO. 11E35P
ELEVATION 7950 FEET

BASIN : MISSOURI
RIVER : MADISON

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1972	4.11	6.04	11.63	15.73	7.64	6.73	2.63	3.11	3.12	1.64	1.42	6.24	70.04
1973	6.86	3.98	8.20	6.27	9.71	6.26	5.29	4.18	3.75	1.96	3.23	4.15	59.84
1974	3.70	12.00	6.70	13.54	5.37	19.73	7.70	2.81	2.37	.89	1.42	.05	76.28

BLACK PINE
MONTANA

SEC 26 T 08N R 15W
LAT 46-25 LONG 113-26

STATION NO. 13C13P
ELEVATION 7100 FEET

BASIN : COLUMBIA
RIVER : CLARK FORK

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1966	.68	1.53	1.36	3.84	2.20	2.74	3.09	2.15	2.12	.31	.91	.61	21.54
1967	1.82	1.92	2.01	6.11	3.04	3.10	5.11	3.07	4.33	2.06	.00	.00	32.57
1968	3.26	2.90	5.50	2.45	2.28	1.96	2.07	1.83	2.75	.35	2.85	2.71	30.93
1969	1.15	2.80	2.77	6.42	1.28	1.78	.92	1.78	4.91	1.52	.07	.29	25.69
1970	1.82	1.03	2.16	4.32	2.61	3.43	5.00	3.34	3.62	3.07	.30	1.52	32.22
1971	1.48	2.11	2.67	4.78	2.33	3.41	2.54	3.61	1.26	.00	.61	1.22	26.02
1972	1.95	2.10	4.89	7.60	5.48	3.85	3.42	1.52	2.43	1.00	1.13	2.17	37.54
1973	.56	2.22	2.99	1.32	1.68	2.30	1.94	2.13	1.86	.26	.92	2.10	20.28
1974	1.51	2.97	3.29	4.25	2.00	4.44	2.17	3.32	1.16	1.16	3.04	.92	30.23

BOX ELDER CREEK
MONTANA

SEC 24 T 28N R 16E
LAT 48-10 LONG 109-36

STATION NO. 09A08P
ELEVATION 5100 FEET

BASIN : MISSOURI
RIVER : MILK

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1973	1.00	.39	.97	.20	.78	.38	3.52	2.14	6.49	.14	.97	2.34	19.32
1974	1.56	1.75	1.62	1.93	1.38	2.28	1.81	9.69	1.03	1.37	6.43	.58	31.43

BRASS MONKEY
MONTANA

SEC 06 T 05S R 14E
LAT 45-25 LONG 110-03

STATION NO. 10D29P
ELEVATION 9050 FEET

BASIN : MISSOURI
RIVER : YELLOWSTONE

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1974	1.30	1.56	2.72	1.69	.96	4.86	5.50	6.63	2.56	1.84	1.92	2.06	33.60

BRIDGER BOWL
MONTANA

SEC 25 T 01N R 06E
LAT 45-48 LONG 110-55

STATION NO. 10D15P
ELEVATION 7250 FEET

BASIN : MISSOURI
RIVER : GALLATIN

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1965												7.96	
1966	.90	3.92	2.73	4.62	5.68	6.50	5.25	4.55	5.03	1.10	2.09	2.13	44.50
1967	2.13	3.51	4.59	12.00	6.70	5.90	3.81	7.71	9.44	2.13	.91	3.34	62.17
1968	7.60	3.69	11.92	5.20	6.90	5.27	5.37	8.22	5.51	3.31	7.59	4.67	75.45
1969	3.04	6.87	3.93	9.20	2.94	2.55	2.02	3.83	8.64	1.42	.91	3.13	48.88
1970	4.88	4.30	7.09	9.85	5.50	7.34	7.95	4.21	4.52	3.71	1.13	3.49	63.97
1971	6.70	7.59	5.20	7.58	6.96	7.30	6.52	6.33	4.63	.30	1.42	2.49	63.02
1972	1.83	4.51	5.41	4.50	7.99	7.14	4.61	4.49	3.69	2.52	1.27	4.28	52.14
1973	3.88	2.68	4.84	2.76	1.50	4.61	11.87	3.63	7.03	1.15	3.16	4.41	51.52
1974	3.03	5.18	6.50	6.46	3.22	10.83	6.49	8.48	1.94	.98	4.51	1.67	59.29

BRIDGER PMC
MONTANA
STATION NO. 08001P
ELEVATION 3656 FEET

SEC 34 T 06S R 23E
LAT 45-16 LONG 108-52

BASIN : MISSOURI
RIVER : YELLOWSTONE

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1962							.46	2.46	2.45	.62	1.88	1.10	
1963	.10	.70	.04			.02	2.27	1.95	1.40	.66	.40	1.35	
1964	.00	.24					2.71	2.61	5.65		.75	.06	
1965	.49	.03		.88	.52	.78	1.83	2.42	1.62	.46	2.49	2.61	
1966	.32	.05	.23	.00	.00	.50	1.81	1.58	1.37	.19	.76	1.17	7.98
1967	.69	.52	.84	.86	.66	.55	1.55	.79	3.43	.23	.17	.56	11.05
1968	1.05	.91	1.72	1.61	.23	.61	.51	1.74	3.82	.15	3.04	2.25	17.64
1969	.33	.48	.57	1.27	.03	.57	.96	1.54	5.50	1.53	.28	.43	13.49
1970	.94	1.13	.46	.86	.05	1.96	1.69	3.03	2.27	.68	.07	2.25	15.39
1971	.53	.56	.54					2.16	.68	.55	.28	2.63	
1972	2.79	.53	.91	1.68	.55	.41	.85	1.95	2.32	1.09	1.84	.85	15.77
1973	1.80	.73	.45	.30	.03	2.41	2.62	.68	.48	.20	.46	3.84	14.00
1974	1.30	.37	.72	.29	.18	.48	2.71	2.30	3.10	1.37	1.55	1.64	16.01

CHRISTENSEN RANCH
MONTANA

SEC 34 T 07S R 07W
LAT 45-11 LONG 112-27

STATION NO. 12006P
ELEVATION 6000 FEET

BASIN : MISSOURI
RIVER : BEAVERHEAD

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1971									2.62	.14	.44	2.20	
1972	1.25	.53	.65	.42	.42	.75	1.45	.93	2.15	.94	2.05	1.25	12.79
1973	1.31	.45	.86	.40	.07	1.70	1.43	.63	2.80	.53	.88	.93	11.99
1974	.40	1.21	.74	.57	.34	1.09	1.26	2.81	.40	.60	.69	.40	10.51

COMBINATION PILLOW
MONTANA

SEC 07 T 08N R 14W
LAT 46-28 LONG 113-24

STATION NO. 13C33P
ELEVATION 5600 FEET

BASIN : COLUMBIA
RIVER : CLARK FORK

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1970	1.75	.40	.30	2.50	.60	2.00	3.00	2.00	4.20	2.40	.00	1.60	20.75
1971	1.10	1.50	.80	2.90	1.60	1.40	2.00	2.80	1.30	.20	1.00	1.10	17.70
1972	1.00	1.00	2.60	3.20	3.60	1.40	1.60	1.60	1.80	.80	.80	.40	19.80
1973	.60	.75	2.17	1.40	.99	1.38	1.18	3.54	1.48	.59	.39	2.96	17.43
1974	1.79	2.94	2.64	3.65	1.38	4.19	.96	2.17	1.38	1.57	2.17	.59	25.43

CRYSTAL LAKE
MONTANA

SEC 19 T 12N R 18E
LAT 46-47 LONG 109-30

STATION NO. 09C01P
ELEVATION 6100 FEET

BASIN : MISSOURI
RIVER : JUDITH

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1967												8.24	
1968	3.70	2.15	5.05	3.20	1.20	.59	5.07	5.04	3.00	2.10	4.68	3.12	38.90
1969	1.10	1.70	1.00	2.90	.44	1.21	2.89	4.16	11.50	2.20	1.04	.76	30.90
1970	7.53	1.86	1.94	2.46	1.47	4.66	7.22	6.05	4.18	1.85	1.55	4.30	45.07
1971	2.40	1.28	.96	3.84	1.76	3.90	2.54	2.84	8.99	.65	1.01	2.97	33.14
1972	2.34	.42	3.73	2.48	1.91	2.44	2.77	6.41	5.36	2.14	4.89	1.01	35.84
1973	3.88	.40	1.16	1.90	1.65	1.54	5.68	1.78	8.38	.94	4.69	6.08	37.48
1974	2.66	2.26	3.20	3.48	2.15	3.70	3.48	12.31	1.68	2.62	5.65	2.08	45.47

DEADMAN CREEK
MONTANA

SEC 23 T 12N R 08E
LAT 46-48 LONG 110-41

STATION NO. 10C09P
ELEVATION 6450 FEET

BASIN : MISSOURI
RIVER : MAIN STEM

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1968	1.02	1.29	4.50	2.00	2.11	.81	1.73	5.18	3.42	2.10	1.99	3.56	29.71
1969	1.11	2.51	1.45	4.50	1.00	.96	1.02	2.23	3.15	1.42	1.63	.81	21.79
1970	3.75	1.71	1.59	5.02	1.82	3.99	2.45	4.03	2.64	1.42	.81	1.83	31.06
1971	.79	2.72	1.26	4.80	2.40	3.10	3.47	1.99	2.28	1.32	2.03	.81	26.97
1972	.69	1.72	5.59	4.22	3.42	1.62	1.42	1.62	1.22	3.45	3.05	.40	28.42
1973	.61	.91	2.39	.91	.56	1.37	2.90	.20	2.23	2.25	2.78	1.22	18.33
1974	2.12	2.86	2.96	2.85	2.40	1.82	2.44	4.75	1.03	2.15	4.45	.88	30.71

DOBROSKI FARMSTEAD
MONTANA

SEC 06 T 11N R 61E
LAT 46-44 LONG 104-05

STATION NO. 04C01P
ELEVATION 3010 FEET

BASIN : MISSOURI
RIVER : YELLOWSTONE

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1974					.03	.27	1.94	4.89	1.24	2.23	1.08	.69	

FISHER CREEK
MONTANA

SEC 11 T 09S R 14E
LAT 45-04 LONG 109-57

STATION NO. 09D06P
ELEVATION 9100 FEET

BASIN : MISSOURI
RIVER : YELLOWSTONE

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1967	1.90	8.08	5.16	16.46	7.33	9.67	4.28	7.60	5.90	2.40	.70	1.60	71.08
1968	5.72	6.21	6.72	7.10	5.84	4.01	2.66	3.80	5.89	2.00	5.50	4.38	59.83
1969	3.10	6.41	7.58	14.32	3.24	2.40	3.30	3.40	6.50	3.00	.80	2.12	56.07
1970	2.90	4.43	5.45	13.97	4.68	6.49	6.50	3.13	3.64	2.34	1.74	5.20	60.47
1971	2.39	10.83	9.01	15.39	6.88	9.80	3.86	1.79	1.59	2.92	3.10	4.03	71.59
1972	3.22	5.58	9.92	16.07	10.01	7.49	9.76	3.53	3.36	2.33	2.78	5.99	80.04
1973	2.84	3.64	7.26	4.04	3.32	3.88	7.64	4.75	3.96	1.45	1.42	4.06	48.26
1974	2.51	10.83	6.38	11.52	5.58	17.74	7.43	6.23	4.79	2.68	2.58	1.12	79.39

FOUR MILE
MONTANA

SEC 05 T 04S R 02W
LAT 45-31 LONG 111-53

STATION NO. 11D12P
ELEVATION 6900 FEET

BASIN : MISSOURI
RIVER : MADISON

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1966								2.95	2.85	.65	.90	2.42	
1967	1.80	2.60	1.00	1.10	.65	2.45	4.41	3.50	5.74	2.75	.50	1.80	28.30
1968	2.26	3.40	2.80	2.60	.50	2.04	3.06	2.50	4.64	1.18	2.30	2.50	29.78
1969	1.80	3.10	1.00	2.50	1.40	.80	2.63	3.50	6.39	1.68	3.00	1.80	29.60
1970	3.30	1.20	2.30	1.80	1.10	1.96	4.90	4.08	3.76	3.59	1.13	2.46	31.58
1971	1.83	3.44	2.55	1.50	1.43	2.45	3.53	3.87	4.07	.10	2.61	2.70	30.08
1972	1.34	2.08	2.98	1.98	1.98	1.87	2.81	2.47	2.13	2.37	2.25	1.81	26.07
1973	1.78	.29	1.20	2.37	.85	3.79	4.98	1.22	3.90	1.45	2.64	3.08	27.25
1974	1.78	5.03	1.71	1.45	.82	3.78	2.87	3.25	.60	1.06	1.17	.28	23.80

FROHNER MEADOWS
MONTANA

SEC 23 T 08N R 05W
LAT 46-27 LONG 112-12

STATION NO. 12C13P
ELEVATION 6480 FEET

BASIN : MISSOURI
RIVER : MAIN STEM

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1973	2.10	1.09	3.19	1.26	.81	2.19	2.30	1.36	2.93	.30	1.07	1.16	19.76
1974	2.02	2.56	1.61	1.84	1.73	2.53	1.75	3.93	1.34	.64	4.18	.58	24.71

GARVER CREEK
MONTANA

SEC 18 T 37N R 32W
LAT 48-58 LONG 115-49

STATION NO. 15A05P
ELEVATION 4250 FEET

BASIN : COLUMBIA
RIVER : KOOTENAI

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1969	3.80	3.00	4.00	5.90	1.71	1.31	1.58	2.72	5.10	.50	.10	2.79	32.51
1970	1.38	1.24	2.39	4.10	2.17	1.73	1.76	1.78	1.60	.99	.17	2.66	21.97
1971	1.45	2.90	6.09	6.24	2.28	3.54	2.96	2.26	1.72	.93	.93	1.24	32.54
1972	.60	2.04	3.96	5.42	4.34	2.83	2.29	1.18	2.30	2.62	.96	2.26	30.80
1973	3.36	3.28	2.58	1.53	.44	1.57	.98	1.20	1.30	.06	.59	1.14	18.03
1974	1.61	7.70	4.63	5.49	5.66	3.06	2.96	1.41	2.15	1.53	.82	.99	38.01

GRAVELY RANCH
MONTANA

SEC 09 T 10N R 08W
LAT 46-38 LONG 112-38

STATION NO. 12C14P
ELEVATION 4850 FEET

BASIN : COLUMBIA
RIVER : CLARK FORK

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1967		1.63	.96	1.76	.68	1.34	2.49	2.39	4.07	.28	.55	.52	
1968	3.02	1.03	2.75	1.19	.63	.17	.63	1.69	1.81	.36	2.52	3.12	18.92
1969	.40	1.43	1.06	3.36	.22	.50	.83	1.23	5.34	1.71	.15	.65	16.88
1970	1.18	.15	.94	1.83	.34	1.66	1.42	1.63	3.68	1.86	.39	1.05	16.13
1971	.68	1.22	1.10	1.78	1.14	.73	1.02	2.16	1.53	.44	1.54	.48	13.82
1972	.30	.66	1.89	3.08	1.44	2.12	.96	1.23	1.42	.56	2.56	1.03	17.25
1973	.56	.61	2.25	.27	.25	.37	.76	1.06	1.80	.12	1.17	2.49	11.71
1974	1.51	2.54	2.13	1.15	.52	1.35	.82	1.88	.60	.75	2.78	.45	16.48

HAWKINS LAKE
MONTANA

SEC 18 T 37N R 33W
LAT 48-58 LONG 115-57

STATION NO. 15A03P
ELEVATION 6450 FEET

BASIN : COLUMBIA
RIVER : KOOTENAI

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1969	4.89	4.46	9.24	8.89	3.99	2.96	2.72	4.98	7.10	.60	.10	4.12	54.05
1970	2.00	2.26	3.64	7.07	4.10	3.54	5.47	2.90	.99	.61	.10	3.05	35.73
1971	2.28	5.36	9.23	11.51	5.00	7.70	4.79	1.70	2.93	1.57	1.60	2.10	55.77
1972	3.10	4.57	8.65	12.20	9.80	5.25	5.36	3.54	4.29	4.67	1.12	2.68	65.23
1973	2.97	1.82	7.15	6.19	2.62	4.22	2.51	2.60	1.62	.08	1.03	2.67	35.48
1974	2.43	10.60	6.38	15.85	7.87	8.66	3.55	5.44	3.99	2.85	1.53	1.20	70.35

HIGHWOOD DIVIDE
MONTANA

SEC 16 T 19N R 09E
LAT 47-24 LONG 110-34

STATION NO. 10802P
ELEVATION 5650 FEET

BASIN : MISSOURI
RIVER : MAIN STEM

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1974	1.49	1.71	2.08	2.26	1.66	2.50	2.09	7.80	1.08	1.86	4.12	2.04	30.69

HIGHWOOD STATION
MONTANA

SEC 20 T 20N R 09E
LAT 47-29 LONG 110-36

STATION NO. 10801P
ELEVATION 4600 FEET

BASIN : MISSOURI
RIVER : MAIN STEM

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1974	1.80	1.15	1.92	2.08	1.06	2.39	2.60	8.73	1.17	1.63	6.47	2.20	33.20

KIWANIS CAMP
MONTANA

SEC 09 T 29N R 16E
LAT 48-17 LONG 109-40

STATION NO. 09A04P
ELEVATION 3720 FEET

BASIN : MISSOURI
RIVER : MILK

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1969	.55	.26	.68	1.65	.20	.47	1.07	1.00	2.80	3.07	.34	.53	12.62
1970	1.60	.00	.49	1.20	.44	.67	1.75	1.20	3.20	2.10	.60	1.89	15.14
1971	.70	.20	.60	2.09	.48	.40	.57	.80	3.05	.14	.00	.70	9.73
1972	.05	.30	.71	1.01	.35	1.36	1.02	1.17	.86	2.17	1.48	1.15	11.63
1973	.50	.24	.44	.04	.55	.04	2.79	1.98	5.57	.00	3.30	1.37	16.82
1974	1.45	1.03	1.58	.53	.38	1.22	1.59	10.31	.66	1.36	5.01	.48	25.60

LICK CREEK
MONTANA

SEC 10 T 04S R 06E
LAT 45-30 LONG 110-58

STATION NO. 10013P
ELEVATION 6860 FEET

BASIN : MISSOURI
RIVER : GALLATIN

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1965	.25	3.14	2.56	4.97	2.58	2.28	3.48	6.94	4.37	2.30	1.83	3.96	38.66
1966	.92	1.30	.98	2.08	1.84	2.58	3.99	4.03	3.82	1.07	3.89	1.33	28.23
1967	2.17	1.72	2.23	3.87	4.73	4.47	2.56	3.59	2.33	2.34	.41	2.01	32.43
1968	4.88	3.11	6.35	2.00	2.66	2.27	4.89	5.80	4.88	1.09	3.97	3.90	45.80
1969	1.98	3.28	1.37	3.26	.66	1.73	5.61	3.89	7.69	1.92	1.78	1.67	34.84
1970	5.47	1.34	3.74	2.45	1.83	6.25	9.53	5.48	2.22	3.46	1.21	3.24	46.22
1971	3.52	3.68	1.80	4.50	4.96	4.58	5.56	4.83	3.11	.53	2.13	3.03	42.23
1972	1.70	2.95	1.67	2.25	1.84	3.70	2.84	2.44	3.80	.96	2.16	3.70	30.01
1973	3.27	1.58	1.99	1.98	1.00	4.27	8.24	1.85	5.34	1.26	2.95	2.60	36.33
1974	3.05	1.51	3.15	2.21	1.91	4.75	6.25	5.47	2.08	1.18	3.10	1.69	36.35

LOWER WILLOW CREEK
MONTANA

SEC 03 T 09N R 14W
LAT 46-34 LONG 113-20

STATION NO. 13C35P
ELEVATION 4740 FEET

BASIN : COLUMBIA
RIVER : CLARK FORK

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1970	1.15	.51	.30	1.10	1.01	.40	2.16	1.96	2.31	2.31	.00	.91	14.12
1971	.00	.60	.70	1.50	.20	.81	1.40	1.82	.80	.20	1.00	.41	9.44
1972					1.61	1.00	1.01	1.53	1.08	.60	.81	.80	
1973	.40	.61	.70	.90	.30	1.11	.20	1.01	1.40	.20	.21	2.21	9.25
1974	1.21	1.61	.40	1.61	1.00	1.61	.64	.97	.80	1.21	1.61	.80	13.47

MADISON PLATEAU
MONTANA

SEC 28 T 14S R 05E
LAT 44-35 LONG 111-07

STATION NO. 11E31P
ELEVATION 7750 FEET

BASIN : MISSOURI
RIVER : MADISON

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1968	1.80	2.00	2.64	7.29	3.71	2.83	3.36	3.20	5.10	.60	6.20	2.12	41.65
1969	1.93	4.67	5.70	15.16	6.64	1.63	1.20	2.40	5.20	1.30	.20	1.60	44.13
1970	1.66	2.06	3.76	9.68	2.25	5.35	4.80	3.22	5.84	1.96	.56	4.52	45.70
1971	3.11	4.11	9.35	5.47	5.29	7.53	3.04	1.31	2.60	1.04	2.76	2.69	48.30
1972	3.81	3.96	7.98	8.66	4.85	3.69	5.43	2.02	3.17	1.74	1.39	5.67	52.37
1973	3.70	2.39	5.25	3.83	3.42	4.22	2.18	5.41	1.96	1.03	2.52	3.27	39.28
1974	1.33	9.58	3.91	6.84	3.53	12.77	1.98	1.73	1.31	1.04	1.65	.06	45.73

MAYNARD CREEK
MONTANA

SEC 19 T 01N R 07E
LAT 45-49 LONG 110-54

STATION NO. 10D1AP
ELEVATION 6210 FEET

BASIN : MISSOURI
RIVER : GALLATIN

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1971	2.96	5.50	3.44	6.02	3.50	5.02	4.28	4.91	4.49	.35	1.79	2.74	45.00
1972	1.04	2.98	3.19	4.01	4.16	4.12	2.65	4.38	3.88	2.69	1.14	4.23	38.49
1973	2.19	1.69	3.54	3.83	1.56	3.51	6.25	2.32	5.79	.64	3.56	4.00	38.88
1974	2.74	3.63	4.85	3.36	2.86	4.61	6.23	6.17	2.33	.98	4.28	1.69	43.93

MILL CREEK
MONTANA

SEC 31 T 06S R 11E
LAT 45-15 LONG 110-24

STATION NO. 10D19P
ELEVATION 7500 FEET

BASIN : MISSOURI
RIVER : YELLOWSTONE

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1974	.43	1.55	2.73	1.77	.32	3.97	2.59	4.24	2.40	1.37	2.70	.69	24.76

MISSION MOUNTAIN
MONTANA

SEC 15 T 25N R 24E
LAT 47-55 LONG 108-37

STATION NO. 08B01P
ELEVATION 5050 FEET

BASIN : MISSOURI
RIVER : MILK

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1971	1.00	1.35	.58	2.17	1.17	.73	2.31	1.10	3.46	.00	.00	.31	14.18
1972	.30	.00	.30	1.82	.92	.91	2.31	3.04	5.16	3.35	1.21	.31	19.63
1973	.00	.00	.00	.31	.92	.91	2.43	2.13	4.25	.61	1.52	2.75	15.83
1974	.30	1.52	.91	.00	.31	2.73	2.13	6.79	2.03	4.25	4.26	.61	25.84

MOUNT LOCKHART
MONTANA

SEC 18 T 25N R 09W
LAT 47-55 LONG 112-49

STATION NO. 12B12P
ELEVATION 6400 FEET

BASIN : MISSOURI
RIVER : TETON

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1969	1.08	2.39	4.67	7.28	1.46	1.55	1.90	1.60	6.90	.80	.20	.60	30.43
1970	2.54	1.61	2.23	7.52	3.76	5.13	7.98	4.58	3.30	2.71	1.88	2.50	45.74
1971	2.08	5.47	4.44	11.06	2.46	6.66	3.73	2.82	3.50	1.40	4.93	3.29	51.84
1972	2.43	2.32	7.29	12.20	5.86	6.43	3.65	1.65	2.31	3.77	3.25	2.83	53.99
1973	1.60	1.03	4.33	2.00	2.35	1.90	3.03	1.99	2.14	.03	1.09	1.68	23.17
1974	1.59	4.84	2.74	10.43	5.34	5.59	2.17	3.63	1.94	1.14	2.04	.94	42.39

PETERSON MEADOWS
MONTANA

SEC 02 T 04N R 14W
LAT 46-08 LONG 113-18

STATION NO. 13C36P
ELEVATION 7200 FEET

BASIN : COLUMBIA
RIVER : CLARK FORK

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1971	2.00	3.75	1.97	2.80	1.89	2.71	3.56	3.66	2.46	.40	2.67	1.58	29.45
1972	1.78	3.36	2.17	4.14	1.98	4.15	2.78	3.01	4.22	2.00	2.03	2.14	33.76
1973	.80	.93	1.67	1.76	1.35	3.18	3.04	2.76	1.65	.26	1.63	1.50	20.53
1974	2.02	2.53	2.27	1.94	1.54	3.64	2.79	4.74	1.38	1.19	1.87	.90	26.81

PICKET PIN LOWER
MONTANA

SEC 01 T 05S R 14E
LAT 45-26 LONG 109-56

STATION NO. 09013P
ELEVATION 6200 FEET

BASIN : MISSOURI
RIVER : YELLOWSTONE

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1973	1.95	.59	2.00	.75	.39	2.73	5.04	.98	.58	1.76	.58	3.12	20.47
1974	.58	2.93	.58	.78	.59	2.73	3.17	4.04	1.56	1.76	2.14	1.08	21.94

PICKET PIN UPPER
MONTANA

SEC 32 T 04S R 14E
LAT 45-27 LONG 110-02

STATION NO. 10D2AP
ELEVATION 8100 FEET

BASIN : MISSOURI
RIVER : YELLOWSTONE

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1973	2.58	1.60	2.58	1.49	.70	5.15	7.36	2.78	1.60	2.19	1.79	3.59	33.41
1974	.99	3.58	2.39	2.99	1.99	5.17	5.91	6.83	3.78	1.99	2.59	1.09	39.30

POORMAN CREEK
MONTANA

SEC 05 T 27N R 31W
LAT 48-07 LONG 115-37

STATION NO. 15A12P
ELEVATION 5100 FEET

BASIN : COLUMBIA
RIVER : KOOTENAI

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1969	5.86	4.38	9.75	11.69	5.70	3.40	2.55	5.54	7.62	.70	.14	5.21	62.54
1970	4.00	2.00	5.44	10.80	5.57	5.06	4.83	1.90	2.70	3.03	1.79	4.36	51.48
1971	2.09	9.44	9.44	16.78	7.61	7.10	4.26	4.27	5.40	2.70	4.47	2.37	75.93
1972	2.00	4.21	12.21	16.59	16.80	11.72	3.96	2.58	6.53	2.46	2.04	3.72	84.82
1973	2.87	2.70	8.38	5.44	5.06	4.33	3.37	2.77	4.48	.27	2.00	4.14	45.81
1974	.46	8.98	8.30	16.53	10.17	10.36	4.42	3.69	3.46	1.83	1.64	1.67	71.51

ROCKER PEAK
MONTANA

SEC 17 T 07N R 05W
LAT 46-22 LONG 112-15

STATION NO. 12C11P
ELEVATION 8000 FEET

BASIN : MISSOURI
RIVER : JEFFERSON

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1968	3.10	2.56	5.84	2.57	2.51	3.11	3.36	2.62	3.70	.22	1.48	3.67	34.74
1969	1.60	2.83	2.32	6.60	1.10	1.96	1.84	1.36	6.21	2.02	1.40	.87	30.11
1970	1.20	.75	2.55	4.30	1.34	4.14	7.82	1.21	4.33	1.46	.40	.75	30.25
1971	2.00	2.90	3.63	4.87	2.65	3.10	5.06	5.69	1.97	.64	1.65	1.65	35.81
1972	1.61	1.96	3.81	5.64	3.34	4.95	2.64	1.93	1.19	1.36	1.31	1.49	31.23
1973	.69	1.95	2.42	1.73	.92	3.34	4.63	2.16	1.64	.23	2.37	2.03	24.11
1974	1.12	4.02	2.65	4.45	2.19	3.92	2.89	5.46	2.67	.72	3.06	.82	33.97

ROCKY BOY
MONTANA

SEC 22 T 2AN R 16E — STATION NO. 09A01P — BASIN : MISSOURI
LAT 48-11 LONG 109-39 — ELEVATION 4700 FEET — RIVER : MILK

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1968	1.60	1.00	2.03	1.57	.30	2.87	1.25	2.18	4.68	1.10	4.82	2.85	26.25
1969	1.25	.00	1.25	1.86	1.04	1.63	1.95	2.00	6.35	2.80	.15	1.10	21.88
1970	4.05	.72	.63	2.82	.96	2.19	5.44	2.05	4.40	1.62	1.16	2.49	28.53
1971	1.64	1.16	.80	4.22	3.42	1.30	.31	3.06	2.87	1.24	.00	1.88	22.50
1972	.10	1.15	.87	2.84	.66	1.89	1.54	2.28	1.25	3.04	2.95	1.11	19.68
1973	.94	.56	1.56	1.66	1.09	1.71	4.04	1.99	8.17	.60	2.00	1.87	26.19
1974	1.32	2.31	2.94	1.56	2.15	2.30	3.04	7.26	1.88	1.24	6.17	.60	32.77

SADDLE MOUNTAIN
MONTANA

SEC 05 T 02S R 19W
LAT 45-42 LONG 113-58

STATION NO. 13D22P
ELEVATION 7940 FEET

BASIN : COLUMBIA
RIVER : BITTERROOT

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1968	5.84	3.53	6.71	3.73	6.73	2.32	2.10	2.88	2.82	.64	2.50	3.65	43.45
1969	2.40	4.66	6.36	13.56	2.77	1.70	1.50	1.73	5.38	.10	.00	1.63	41.79
1970	1.76	2.29	4.10	10.80	3.00	6.05	6.25	4.52	5.19	2.57	.10	2.69	49.32
1971	2.50	6.40	7.35	8.42	7.60	6.72	5.60	1.96	1.52	.96	.20	.90	50.13
1972	1.32	3.08	7.63	11.34	9.69	5.01	3.70	1.17	1.94	.76	1.35	1.13	48.12
1973	.96	3.33	6.52	3.42	1.42	5.13	2.92	1.73	2.71	.17	1.00	2.27	31.58
1974	3.15	6.85	7.18	7.75	5.81	9.47	2.39	3.08	2.85	1.35	1.63	.47	51.98

SHOWER FALLS
MONTANA

SEC 14 T 05S R 06E
LAT 45-24 LONG 110-57

STATION NO. 10016P
ELEVATION 8100 FEET

BASIN : MISSOURI
RIVER : GALLATIN

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1965												8.00	
1966	1.10	2.10	2.40	3.95	4.71	4.94	6.23	3.64	4.87	2.43	1.82	2.11	40.30
1967	2.58	3.02	2.21	8.23	5.82	5.65	3.85	4.14	8.65	4.81	.48	2.60	52.04
1968	6.35	4.25	9.44	3.50	4.22	3.46	6.55	8.08	5.36	2.30	6.70	4.49	64.70
1969	1.93	5.43	2.94	7.06	2.24	2.16	5.30	5.34	8.85	1.84	1.00	4.85	48.94
1970	6.63	4.10	4.52	7.51	4.40	7.70	9.10	7.10	3.24	4.12	1.00	4.63	64.05
1971	4.60	5.37	2.69	5.43	6.94	7.42	5.60	7.36	3.23	.43	2.53	3.75	55.35
1972	3.08	6.21	4.42	5.37	5.51	7.99	5.10	3.25	4.73	2.73	1.53	4.86	54.78
1973	8.55	2.25	3.35	2.75	2.40	6.00	9.60	4.04	6.16	3.18	3.52	4.05	55.85
1974	3.98	4.29	5.09	4.70	4.36	7.04	8.21	6.94	3.68	.94	3.30	1.33	53.86

SKALKAHO SUMMIT
MONTANA

SEC 30 T 06N R 17W
LAT 46-15 LONG 113-46

STATION NO. 13C03P
ELEVATION 7260 FEET

BASIN : COLUMBIA
RIVER : CLARK FORK

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1967	1.46	2.90	3.10	3.30	10.00	3.04	3.70	1.99	4.46	.97	.19	1.55	36.66
1968	5.82	4.08	4.85	6.15	2.76	1.79	2.29	3.26	2.60	1.40	3.00	4.51	42.51
1969	2.45	4.15	4.10	8.70	2.14	1.66	1.64	3.30	4.07	.59	.20	1.65	34.65
1970	.78	.97	3.75	8.70	3.95	3.17	4.20	3.19	4.85	2.33	.49	2.81	39.19
1971	5.43	4.13	3.04	6.52	3.61	4.04	3.21	3.09	1.26	.58	.97	1.75	37.63
1972	2.97	4.50	5.50	6.60	12.30	8.34	3.80	2.41	3.68	1.26	1.07	2.72	55.15
1973	1.94	2.28	4.13	3.49	1.26	2.23	1.94	2.52	.75	.15	.69	2.68	28.06
1974	1.55	6.76	7.76	6.32	4.55	5.02	3.54	3.15	1.89	1.56	1.74	.97	44.81

SPUR PARK
MONTANA

SEC 20 T 12N R 09E
LAT 46-47 LONG 110-37

STATION NO. 10C06P
ELEVATION 8100 FEET

BASIN : MISSOURI
RIVER : JUDITH

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1967	1.66	3.40	4.40	9.74	6.08	5.17	4.65	2.85	5.70	1.08	1.07	2.26	46.06
1968	3.90	3.60	6.70	2.80	3.33	2.45	2.91	5.92	3.02	2.07	2.75	3.72	43.17
1969	1.37	4.10	3.08	7.07	2.16	1.52	3.64	2.16	3.91	1.77	6.27	1.40	38.45
1970	4.79	2.17	4.23	7.51	3.41	5.93	5.81	6.18	3.72	1.76	.98	2.55	49.04
1971	1.71	4.44	3.82	7.87	4.23	5.47	4.56	3.08	3.19	1.57	2.06	.88	42.87
1972	1.83	2.73	9.92	9.57	6.16	4.79	2.62	3.33	2.75	1.76	3.14	.83	49.43
1973	1.32	2.05	3.76	2.73	1.60	2.62	2.85	3.12	3.24	1.76	1.91	3.58	30.54
1974	2.61	5.59	5.25	5.24	4.45	4.67	4.67	8.35	1.37	2.15	5.15	1.03	50.53

SUCKER CREEK
MONTANA

SEC 11 T 29N R 16E
LAT 48-17 LONG 109-37

STATION NO. 09A06P
ELEVATION 3960 FEET

BASIN : MISSOURI
RIVER : MILK

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1973	.00	.00	.59	.20	.80	.19	4.14	1.57	5.58	.14	2.37	1.58	17.16
1974	1.20	1.17	1.02	.17	.78	1.32	1.44	9.82	.05	1.77	6.23	.48	25.45

TAYLOR PEAKS
MONTANA

SEC 26 T 09S R 02E
LAT 45-01 LONG 111-27

STATION NO. 11D13P
ELEVATION 8500 FEET

BASIN : MISSOURI
RIVER : GALLATIN

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1967	1.31	1.98	4.18	6.82	5.66	3.98	1.65	4.05	8.40	3.73	.85	3.15	45.76
1968	3.26	3.20	7.20	2.60	3.20	2.70	4.30	5.20	3.50	1.52	6.80	4.57	48.05
1969	2.43	4.65	2.79	7.13	1.79	1.94	5.00	5.00	8.00	1.50	.75	4.00	44.98
1970	3.00	2.39	4.08	7.11	2.46	5.36	4.08	4.31	7.03	4.08	1.59	4.18	49.67
1971	3.26	3.74	3.74	6.05	4.31	4.19	4.84	3.58	8.00	1.80	6.01	3.19	52.71
1972													
1973	2.95	2.80	2.79	2.02	1.05	3.49	4.48	3.91	5.62	1.73	3.18	3.68	37.70
1974	1.56	6.05	5.02	4.88	1.94	9.01	1.04	2.38	.71	.64	1.85	.30	35.38

TAYLOR ROAD
MONTANA

SEC 19 T 29N R 16E
LAT 48-16 LONG 109-42

STATION NO. 09A07P
ELEVATION 4080 FEET

BASIN : MISSOURI
RIVER : MILK

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1973	1.10	.20	.97	.39	1.35	.00	4.84	1.94	7.63	.31	2.14	1.74	22.61
1974	1.16	1.36	1.89	1.02	.97	1.88	1.80	9.82	.64	1.56	6.08	.31	28.49

TEPEE CREEK
MONTANA

SEC 15 T 12S R 01W
LAT 44-47 LONG 111-42

STATION NO. 11E24P
ELEVATION 8000 FEET

BASIN : MISSOURI
RIVER : MADISON

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1972	2.37	1.90	4.80	7.70	2.37	2.89	2.99						
1973	.50	1.86	4.11	2.90	2.00	2.55	5.30	2.59	3.21	1.72	2.23	2.93	31.90
1974	1.89	2.95	3.19	3.86	1.38	6.00	1.53	2.50	.80	.75	.83	.12	25.80

THRAMS FARM
MONTANA

SEC 32 T 19N R 66E
LAT 47-22 LONG 104-06

STATION NO. 04801P
ELEVATION 2185 FEET

BASIN : MISSOURI
RIVER : YELLOWSTONE

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1974					.35	.76	.86	3.70	2.66	1.37	1.81	.45	

TWELVEMILE CREEK
MONTANA

SEC 34 T 05N R 24W
LAT 46-09 LONG 114-27

STATION NO. 14C13P
ELEVATION 5600 FEET

BASIN : COLUMBIA
RIVER : BITTERROOT

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1968	9.69	3.80	5.31	4.60	5.02	3.05	3.07	3.07	2.41	.47	1.08	7.56	49.13
1969	2.89	5.31	7.00	9.58	2.12	1.80	1.56	3.07	4.03	.58	.15	1.92	40.01
1970	3.07	1.82	4.13	9.22	4.70	5.18	4.04	2.18	4.00	3.70	1.25	4.00	47.29
1971	2.30	5.19	4.61	12.02	2.97	6.82	3.16	6.95	3.77	1.19	.49	1.62	51.09
1972	1.68	4.66	5.69	14.96	10.83	6.07	3.53	1.66	2.68	.58	.85	2.41	55.60
1973	1.29	2.22	5.15	4.26	2.86	2.93	1.07	1.54	3.64	.39	.79	3.82	29.96
1974	3.61	8.82	6.08	10.59	5.24	7.97	4.43	3.10	.91	.81	1.92	1.39	54.87

TWIN LAKES
MONTANA

SEC 32 T 05N R 23W
LAT 46-09 LONG 114-30

STATION NO. 14C08P
ELEVATION 6510 FEET

BASIN : COLUMBIA
RIVER : BITTERROOT

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1968	14.50	5.24	10.46	6.11	10.22	7.24	5.23	4.89	4.81	1.21	4.32	6.95	81.18
1969	4.90	7.47	9.34	14.80	2.50	2.36	3.28	2.39	4.70	.18	.00	3.77	55.69
1970	4.59	2.37	7.22	16.76	8.42	8.50	8.09	3.20	5.41	4.17	.53	6.33	75.59
1971	4.33	8.27	9.10	20.20	6.95	8.20	5.00	4.57	4.73	.10	.68	1.39	73.52
1972	2.20	7.76	11.17	23.20	14.70	5.53	8.00	2.21	3.55	.40	.96	3.94	83.62
1973	1.61	3.54	11.49	7.00	2.94	4.68	2.74	2.63	3.95	1.88	.57	4.69	47.72
1974	5.10	9.58	11.84	15.85	10.48	8.66	7.47	3.76	4.72	3.92	1.97	1.56	84.91

WALDRON
MONTANA

SEC 17 T 25N R 09W
LAT 47-55 LONG 112-47

STATION NO. 12B13P
ELEVATION 5600 FEET

BASIN : MISSOURI
RIVER : TETON

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1969	.55	1.20	4.05	3.14	1.71	1.10	1.10	1.30	5.30	.65	.05	.35	20.50
1970	1.53	1.63	1.60	4.11	2.74	3.47	5.72	4.43	3.15	2.14	1.49	1.75	33.76
1971	1.13	4.53	2.78	7.58	2.53	1.82	3.46	3.14	1.32	.79	4.00	.55	33.63
1972	1.67	1.86	5.47	7.28	2.88	4.85	5.11	2.64	3.66	1.82	4.05	6.41	47.90
1973	1.34	.58	2.63	1.08	1.11	2.71	1.98	1.71	1.71	.00	1.26	1.32	17.43
1974	1.48	3.01	1.71	7.61	3.15	2.45	1.16	3.42	2.10	1.50	2.54	1.16	31.29

WHISKEY CREEK
MONTANA

SEC 19 T 14S R 05E
LAT 44-36 LONG 111-09

STATION NO. 11E30P
ELEVATION 6800 FEET

BASIN : MISSOURI
RIVER : MADISON

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1972	2.97	3.00	6.60	5.60	3.36	3.65	3.45	1.19	2.87	1.57	1.79	4.73	40.78
1973	3.53	2.06	4.21	3.31	2.62	3.10	1.71	3.53	2.96	1.55	3.86	4.96	37.40
1974	1.48	7.75	3.40	4.59	2.85	11.03	1.36	1.28	1.66	.96	1.53	.06	37.95

WHITE MILL
MONTANA

SEC 18 T 09S R 15E
LAT 45-03 LONG 109-54

STATION NO. 09D0AP
ELEVATION 8700 FEET

BASIN : MISSOURI
RIVER : YELLOWSTONE

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1974	2.65	7.78	4.63	8.29	3.98	10.66	2.42	6.84	3.67	2.79	2.40	1.04	56.45

WILCOX RANCH
MONTANA

SEC 17 T 13N R 18E
LAT 46-53 LONG 109-28

STATION NO. 09C06P
ELEVATION 5300 FEET

BASIN : MISSOURI
RIVER : JUDITH

WATER YEAR	OCT. INCH.	NOV. INCH.	DEC. INCH.	JAN. INCH.	FEB. INCH.	MAR. INCH.	APR. INCH.	MAY INCH.	JUNE INCH.	JULY INCH.	AUG. INCH.	SEPT. INCH.	ANNUAL SUM
1971	1.50	.50	.40	1.90	.55	1.32	1.70	1.55	5.40	.51	1.15	2.33	18.81
1972	1.65	.20	1.30	1.05	.60	1.30	1.60	3.39	2.26	1.96	4.40	.79	20.70
1973	1.63	.30	.95	.15	.72	1.26	2.08	1.42	4.21	.40	2.92	2.87	18.91

Agencies and Organizations Cooperating in Montana Snow Surveys

GOVERNMENT AGENCIES

Canada:

Water Survey of Canada, Calgary, Department of the Environment
Water Resources Service, Department of Lands, Forests and Water Resources, British Columbia

Federal:

Department of the Army
- Corps of Engineers

U.S. Department of Agriculture
- Forest Service
- Soil Conservation Service

U.S. Department of Commerce
- NOAA, National Weather Service

U.S. Department of the Interior
- Bonneville Power Administration
- Bureau of Indian Affairs
- Bureau of Reclamation
- Fish and Wildlife Service
- Geological Survey
- National Park Service

STATE

Montana Association of Conservation Districts
Montana Department of Fish and Game
Montana Department of Natural Resources and Conservation
Montana State University - Agricultural Experiment Station
North Montana Branch Station - Agricultural Experiment Station
University of Montana - School of Forestry

PRIVATE

Montana Power Company

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

FEDERAL - STATE - PRIVATE

COOPERATIVE SNOW SURVEYS

Furnishes the basic data necessary for forecasting water supply for irrigation, domestic and municipal water supply, hydro-electric power generation, navigation, mining and industry

"The Conservation of Water begins with the Snow Survey"